	Application No.	Applicant(s)
	09/893,170	CHEN ET AL.
Notice of Allowability	Examiner	Art Unit	
	Wen-Tai Lin	2154	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *RCE filed on 10/4/2005*.

2. ☒ The allowed claim(s) is/are *1-3, 5-14, 16-19 and 21-22, renumbered as 1-19*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some*   c)☐ None   of the:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a)☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

      1)☐ hereto or 2)☐ to Paper No./Mail Date _____ .

    (b)☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☐ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

EXAMINER'S AMENDMENT

1.   An examiner's Amendment to the record appears below. Should the changes and/or

additions be unacceptable, an amendment may be filed as provided by 37 C.F.R. 1.312. To

ensure consideration of such an amendment, it MUST be submitted no later than the payment of

the Issue Fee.

    Authorization for the examiner's amendment was given in a telephone interview with Mr. Ryan

Grace, reg. no. 52956, on November 22, 2005.

2.   In the claims: Please cancel claims 2, 15 and 20 and amend claims 1, 5, 14, 16 and 19 as

follows:

    1. (Currently amended):   A computer-implemented method for recovering from a

failed synchronization session between a mobile device and a server, comprising:

        a)   receiving a client request for a synchronization session, wherein the client
request includes a manifest comprising changes to a data store after a prior successful
synchronization session;

        b)   determining whether a prior synchronization session failed; and

        c)   if the prior synchronization session failed,

            1)   creating a server request based on the client request and on a
synchronization state associated with the failed prior synchronization session so that
duplicate objects are not created in the server when the mobile device and the server
become synchronized;

            2)   sending the server request to the server for processing;

            3)   receiving a server response from the server based on the processing
of the server request at the server;

4)   modifying the synchronization state based on the server response and the client request;

5)   creating a client response based on the server response; and

6)   sending the client response to the mobile device.

5. (Currently amended):   The computer-implemented method of claim [[4]]1, wherein the changes include changes from a prior manifest associated with the synchronization session that failed.

14. (Currently amended):   A computer-readable storage medium having computer-executable components with instructions for recovering from a failed synchronization session between a first data store and a second data store, comprising:

a synchronization component configured to detect a failed synchronization session based on a client synchronization request and a synchronization state and to perform a synchronization recovery upon detecting the failed synchronization session, the synchronization recovery comprising:

creating an update manifest based on the synchronization state and the synchronization request, wherein the synchronization state includes a last client manifest associated with the failed synchronization session, a watermark identifying a state with the second data store at which the second data store is synchronized, wherein the update manifest includes changes to the first data store that were not provided in a prior synchronization request and excludes changes provided in the synchronization request that were previously updated on the second data store during the failed synchronization session; and

sending the update manifest to a device configured to update the second data store.

16. (Currently amended):   The computer-readable storage medium of claim 14 15,

wherein the watermark comprises a collblob.

19. (Currently amended):   A system for recovering from a failed synchronization
session between a first data store and a second data store, comprising:
a first device associated with the first data store;
a second device associated with the second data store; and
a server coupled to a storage medium on which a synchronization state associated with a

first synchronization session is stored, the server configured to access the synchronization

state upon receiving a subsequent synchronization request and to determine whether the

subsequent synchronization request corresponds to the first synchronization session, if

the synchronization request corresponds to the first synchronization session, the server is

configured to initiate a recovery synchronization session, wherein the server is further

configured to exclude changes provided in the first synchronization session that were

previously updated, wherein the recovery process includes creating an update manifest

based on the synchronization state and the subsequent synchronization request and

sending the update manifest for processing on the second device, the update manifest

includes changes to the first data store that were not previously updated on the second

data store and excludes changes provided in the subsequent synchronization request that

were previously updated on the second data store during the failed synchronization

session.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Wen-Tai Lin whose telephone number is (571)272-3969. The examiner can normally be reached on Monday-Friday (8:00-5:00) .

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on (571)272-3964. The fax phone numbers for the organization where this application or proceeding is assigned are as follows:
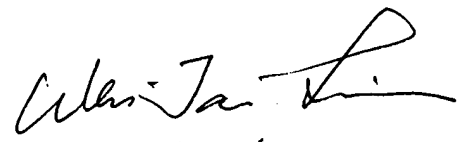
(571)273-8300 for official communications; and

(571)273-3969 for status inquires draft communication.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Wen-Tai Lin

November 23, 2005